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ABSTRACT OF THE DISCLOSURE

5           An acoustic wave switch includes a substrate with an acoustic  
wave cavity formed therein such that the mass per unit area of the  
acoustic cavity is greater than the mass per unit area of the substrate  
adjacent the cavity. A transducer is mounted on the acoustic cavity for  
generating an acoustic wave that is substantially trapped in the cavity. A  
touch on the touch surface of the acoustic wave cavity absorbs acoustic  
wave energy and produces a detectable change in the impedance of the  
transducer. Various feedback mechanisms can be employed to provide a  
user with a tactile, audible and/or visual response indicating actuation of  
10       the switch by a touch.